APPLICATION FOR
UNITED STATES PATENT

In the name of

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for

SPEECH RECOGNITION FRAMEWORK

Appendix A

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// CFG for Alpha1 on 23rd June 2000.

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// This sample grammar enables the speech engine to
recognize commands

// such as the following:

//

//1. "Open Notepad" --> returns: "100" and "Notepad".

//2. "Maximize"          --> returns: "202" and "".

//3. "Send e-mail to Russ" --> returns: "303" and "Russ".
NB: 303=300+3.

//4. "Share view one"    --> returns: "401" and "view1".

//5. "Make a conference call to Rao"   --> returns: "506"
and "Rao".

//          make a video call to Rao

//          call up the conference center

//6. "Show me the model/data"  --> returns: "602/3" and
"show".

              "Display chart"

//7. "Exit Notepad" --> returns: "904" and "Notepad".


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// The only parse string rule. This is where everything
is controlled from.


[<Start>]
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<Start> = [opt] (Computer) (OpenCommand) (Program) [opt]
(JunkEnd)

<Start> = [opt] (Computer) (Mail) (emailFriend) [opt]
(JunkEnd)

<Start> = [opt] (Computer) (openMail) [opt] (JunkEnd)

<Start> = [opt] (Computer) (show) (View) [opt] (JunkEnd)

<Start> = [opt] (Computer) (Single_video_call)
(ComputerName) [opt] (JunkEnd)

//<Start> = [opt] (Computer) [opt] (OpenCommand)
(Video_conference) (ComputerName) [opt]

// (ComputerName) and (ComputerName) [opt] (JunkEnd)

<Start> = [opt] (Computer) (Terminate_call) [opt]
(JunkEnd)

<Start> = [opt] (Computer) (share) (Running_Application)
[opt] (JunkEnd)


//-----------------------------------------------------
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[(Computer)]

= please

= computer[opt] please

= [opt] computer can you [opt] please

= [opt] computer would you [opt] please

= [opt] computer could you [opt] please

= [opt] computer will you [opt] please
```

3

```
[(OpenCommand)]

100=start

100=run

100=launch

100=open


[(Program)]

1=[opt] Microsoft Word "winword"

1=a Word document "winword"

2=[opt] Microsoft Excel "excel"

2=an Excel document "excel"

3=Explorer "explorer"

4=Notepad "Notepad"


[(Mail)]

300= [opt] Begin [opt] a new email to

300= [opt] Send [opt] a message to

300= [opt] Compose [opt] a new Message to

300= Send mail to

300= Send [opt] an email to

300= Start [opt] an email to

300= Compose [opt] an email to


// 350 open alert mail (in response to a prompt)

[(OpenMail)]

350= show email

350= open message
```

```
350= display the [opt] email message

350= show the [opt]email message



//[(Video_conference)]

//400= a conference with

//400= a video conference with


[(Single_video_call)]

500= [opt] start [opt] make [opt] a video call to

500= start a video conference with

500= call

500= get


[(Show)]

600=show [opt] me [opt] the

600=display [opt] the

600=bring up [opt] the

600=open [opt] the

600=switch [opt] me to [opt] the

600=I want to see the

600=go to the


[(Terminate_call)]

700 = hangup [opt] netmeeting

700 = terminate [opt] the call

700 = end [opt] the call
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5

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700 = end [opt] the conference

700 = close netmeeting

700 = close [opt] the conference


[(Share)]

800= share [opt] the




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//

[(emailFriend)]

= Steve [opt] Jones "Steve Jones"

= Sam [opt] Daniels "Sam Daniels"

= Kim [opt] Thomas "Kim Thomas"

= Mike [opt] Price "Mike Price"


[(ComputerName)]

1=Steve [opt] Jones "Steve"

2=Sam [opt] Daniels "Sam"

3=Kim [opt] Thomas "Kim"

4=Mike [opt] Price "Mike"


[(View)]

1=product view "product.one"

2=sales view    "sales.one"
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3=analysis view "channel.one"

4=default view "personal.one"

5=personal view "personal.one"

6= market view "market.one"

40=product model "gamma3001w.co"


[(Running_Application)]

1= desktop "desktop"

2= product model "gamma3001"

3= cycore model "gamma3001"




//-------------------------------------------------------------
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// Using numeric-IDs in the 10-thousands, so as to avoid
posible conflicts

//[(DisplayLocation)]

//10000= on (screen) one

//10000= on main (screen)

//20000= on (screen) two

//20000= on bottom (screen)

//30000= on (screen) three

//30000= on left (screen)

//40000= on (screen) four

//40000= on right (screen)
```

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//[(screen)] //used as a helper rule for DisplayLocation
//=screen
//=monitor
//=area
//=display
```

5